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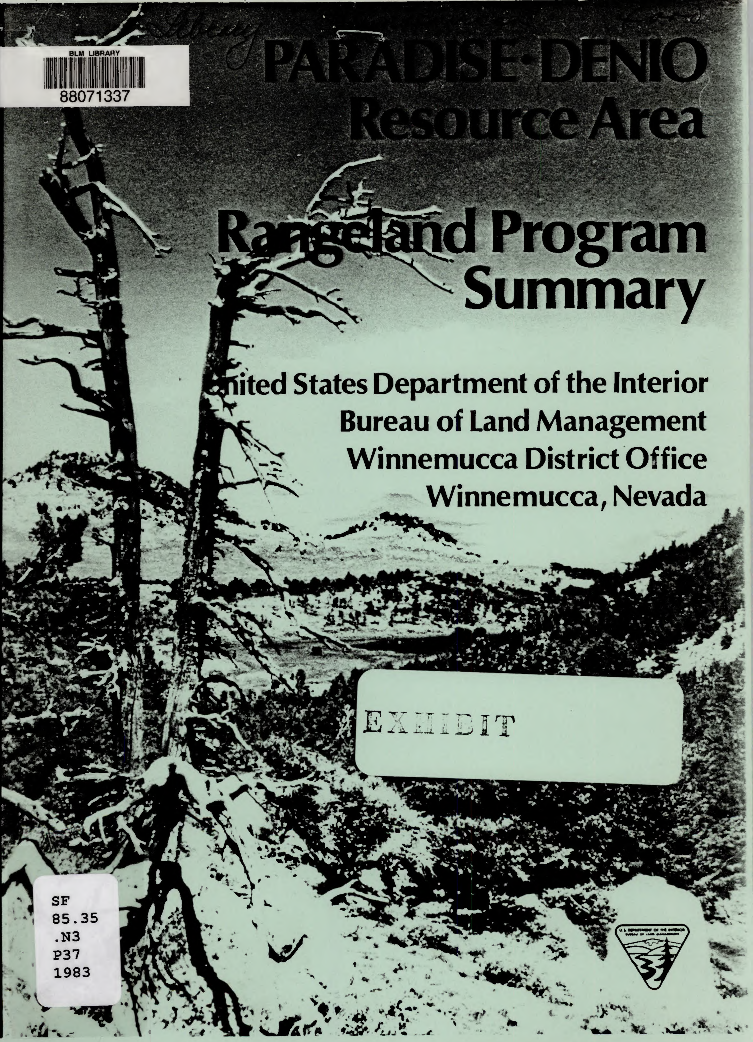
PARADISE-DENIO Resource Area

Rangeland Program Summary

United States Department of the Interior
Bureau of Land Management
Winnemucca District Office
Winnemucca, Nevada



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INTRODUCTION

The Final Paradise-Denio Grazing Environmental Impact Statement (EIS) was completed in September of 1981. It analyzed a proposed rangeland management program, along with several alternatives, for livestock grazing, wildlife habitat resources, and wild horse and burro grazing for the Winnemucca District's Paradise-Denio Resource Area. Upon completion of the Environmental Impact Statement, the District began the last phase of the planning process for these resource management programs for the purpose of determining final land use decisions. A summary of these decisions was reported in the August 1982 Record of Decision for the Final Paradise-Denio Grazing Environmental Impact Statement.

The Bureau has decided to adopt an integrated plan using components of both the Proposed Action and Livestock Reduction/Maximizing Wild Horses and Burros Alternatives. Adjustments in grazing use will be based upon rangeland monitoring and/or agreements. Priorities for implementation of intensive management by allotment will be accomplished through the selective management approach, as specified in the Final Grazing Management Policy (Washington Office Instruction Memorandum No. 82-292).

This Rangeland Program Summary (RPS) has been designed to inform interested persons about the implementation of the rangeland management program, as set forth in the planning decisions of the 1982 Paradise-Denio Management Framework Plan. The RPS explains the process of establishing initial and subsequent levels of livestock grazing use, discusses the rangeland improvement program and describes the rangeland monitoring program upon which grazing decisions will be based. The RPS will also serve as a basis for discussion during the subsequent consultation and coordination period.

The Paradise-Denio Resource Area encompasses approximately four million acres, nearly all of Humboldt County in northwestern Nevada. Intermingled with these public lands are approximately 602,000 acres of private, state and other lands. The Humboldt National Forest (Santa Rosa District) shares boundaries with the resource area.

OBJECTIVES OF THE PROGRAM

The long-range objectives of the grazing management program are to manage, maintain, and improve the rangeland conditions on the public lands through the following:

a. Improve and maintain a sufficient quantity, quality and diversity of habitat and forage for livestock, wildlife, wild horses and burros on a sustained yield basis through natural regeneration and/or artifical methods,

b. improve the vegetation resource by considering the physiological needs of key management species in the development of activity plans,

c. reduce soil erosion and enhance watershed values by increasing ground cover and litter,

d. improve the health and productivity of wild horses and burros by maintaining a natural ecological balance of wild horses and burros on public lands, and

e. improve and maintain the condition of the riparian and stream habitat.

MANAGEMENT IMPLEMENTATION

The method for implementing the rangeland management program will take place through monitoring and/or agreements.

Grazing adjustments, if required, will be based upon reliable vegetation monitoring studies and/or CRMP (Coordinated Resource Management Plans) committee recommendations, and/or individual agreements and/or baseline inventory, or a combination of these. These studies will be obtained from an intensive, coordinated monitoring effort in which all affected interest groups are encouraged to participate.

The formal process of consultation and coordination may involve the Winnemucca CRMP committee (Local No. 1) or other such committees. The CRMP committees bring together all interests concerned with the management of resources in a given local area: landowners, land management agencies, resource users, wildlife groups, wild horse and burro groups, conservation organizations, etc.

The consultation/coordination process would not necessarily require participation by the formal CRMP committees. The process may be accomplished in a more informal manner, initiated by either the BLM or the range user. Regardless of the approach, all affected interests will be afforded the opportunity to actively participate in the process.

PRIORITIES FOR IMPLEMENTATION

The selective management approach will be used to implement the rangeland management program. Selective management classifies allotments into three categories: "M" (Maintain), "I" (Intensive), or "C" (Custodial).

All allotments were grouped into these categories according to their management needs, potential for improvement, and Bureau funding/manpower constraints following consultation with interested groups and individuals through the CRMP process. The process of categorization of allotments is the completion of Component No. 1 in the Final Rangeland Improvement Policy (Washington Office Instruction Memorandum No. 83-27) for the resource area.

"I" category allotments will receive the highest priority for development of intensive grazing management through the consultation and coordination process. "M" category allotments will receive second priority, while "C" category

allotments will be third priority. Refer to Table I for a list of allotments by category and allotment priority.

Also, the next RPS update will include the completion of analysis component No. 2 (Ranking Investments) as described in the Final Rangeland Improvement Policy. The purpose of analysis component No. 2 is to help managers integrate economic, resource and social objectives in selecting, ranking and scheduling investments.

Table I
Paradise-Denio Resource Area
Selective Management Categorization 1/

Priority	Allotment Name	Categorization 2/
1	Little Owyhee	I
2	Bullhead	I
3	Jordan Meadows	I
4	Horse Creek	I
5	Dyke Hot	I
6	Flat Creek	I
7	Willow Creek	I
8	Abel Creek	I
9	Coyote Hills	I
10	Alder Creek	I
11	Wilder-Bilk	I
12	Sand Dunes	I
13	Sand Pass	I
14	Humboldt Valley	I
15	Little Horse Creek	I
16	Paiute Meadows	I
17	U.C.	M
18	William Stock	M
19	Pueblo Mountain	M
20	Kings River	M
21	Jackson Mountains	M
22	Pine Forest	M
23	Washburn	M
24	Crowley Creek	M
25	Pole Creek	M
26	Double H	M
27	Spring Creek	M
28	Fort McDermitt	M
29	Long Canyon	M
30	Sugarloaf	M
31	Bloody Run	M
32	Buttermilk	M
33	Paradise Hill	M
34	Chimney Creek	M
35	Andorno	M
36	Scott Springs	M
37	Antelope	M
38	Rebel Creek	M

Table I (Continued)
Paradise-Denio Resource Area
Selective Management Categorization 1/

Priority	Allotment Name	Categorization 2/
39	Granite	M
40	Solid Silver	M
41	Indian Creek	M
42	Mullinix	M
43	Singus	M
44	Fort Scott	M
45	Buffalo	M
46	Hansen Creek	M
47	Hot Springs Peak	M
48	Asa Moore	M
49	Blue Mountain	M
50	Osgood	C
51	Daveytown	C
52	Deer Creek	C
53	Happy Creek	C
54	Eden Valley	C
55	Gallagher Flat	C
56	Desert Valley	C
57	Golconda Butte	C
58	Iron Point	C
59	Upper Quinn River	C
60	Sod House	C
61	Lower Quinn River	C
62	Cordero	C
	Owyhee (Vale, Oregon)	I
	Quinn River (Vale, Oregon)	I
	Zimmerman (Vale, Oregon)	M
	Sands Hills-Holloway Mountain (Burns, Oregon)	M
	Grassy Basin (Burns, Oregon)	M
	South Fork (Burns, Oregon)	M
	White House (Elko)	C
	Tall Corral (Elko)	C
	Eleven Mile Flat (Elko)	C
	Twenty-Five (Elko)	C
	Jakes Creek (Elko)	C

1/ Implementation of the Rangeland Management Program for allotments located within the Winnemucca District but administered by other BLM districts will be based upon their (the administering district) established priority.

2/ I category allotments were limited in number based in part on anticipated (estimated) funding and manpower capabilities in the next ten years.

Implementation of Grazing Use Adjustments

Grazing use adjustments where needed will be implemented either through agreements with permittees or through decisions based upon monitoring evaluations. On allotments without sufficient monitoring data currently available and/or without an agreement for grazing use stocking levels, the following base herbivore grazing levels will be used as a starting point for monitoring purposes:

Livestock - Active preference or negotiated adjustments,

Wildlife - Reasonable numbers as established by BLM and the Nevada Department of Wildlife, and

Wild Horses and Burros - Existing/current WH&B numbers (as of July 1, 1982) except where one of the following conditions exist.

a. Numbers are established by adequate and supportable resource data,

b. numbers are established through the CRMP process as documented in CRMP recommendations and agreed to by the District Manager,

c. numbers are established by formal signed agreement between affected interests,

d. numbers are established through previously developed interim capture/management plans; plans are still supportable by parties consulted in the original plan; EAs (EARs) were prepared and are still valid, or

e. numbers are established by court order.

Grazing use adjustments in the Paradise-Denio Resource Area will be implemented through one of the following three methods.

a. Agreements to Make Adjustments

Where grazing use agreements have been negotiated, no decision will be issued. All agreements must document initial stocking levels, periods-of-use, regular nonuse to be taken, length of time the agreement is in effect, overall management objectives, the monitoring data to be collected, monitoring procedures, evaluations, and the resulting management actions to be taken. These agreements will be based upon the best available data, but will not preclude the future establishment of intensive grazing systems, use adjustments or other management practices that may be necessary for proper management of the rangeland resources. Adjustments based upon additional monitoring data gathered will be implemented by a decision or through agreements that will initiate the five-year implementation period. Table II indicates those allotments where agreements to make adjustments to grazing use will be implemented.

[illegible]

[illegible] currently available [illegible] the following [illegible] starting point for [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

b. Agreements or Decisions to Gather Additional Monitoring Data

Where allotment monitoring data is not available to make adjustments, the stocking levels will remain at the base herbivore grazing levels established by the land use plan, until adequate monitoring data is gathered and/or use agreements can be initiated. Use agreements and/or individual monitoring plans will be completed based upon the priorities established in the selective management approach and/or through the consultation and coordination process. Individual allotment monitoring plans will be initiated through agreements or decisions to gather additional monitoring data. These agreements or decisions to monitor will document the necessary actions needed to gather additional monitoring data:

1. Resources issues (MFP),
2. allotment objectives,
3. monitoring procedures,
4. monitoring evaluations, and
5. subsequent adjustments to grazing management.

Adjustments to grazing use based upon the additional data gathered shall be implemented through an agreement or by a decision that will "start the clock" on the five-year implementation period. Table II indicates those allotments where agreements or decisions to gather additional monitoring data will be implemented.

c. Decisions to Make Adjustments

Where monitoring data exists to support grazing use adjustments and an agreement cannot be reached, a decision will be issued to "start the clock" on the five-year implementation period. These adjustments in grazing use may include but are not limited to season-of-use, period-of-use, animal numbers, kind/class of grazing animals, or a combination of these. Table II indicates those allotments where decisions to make adjustments based on monitoring data will be implemented.

Progress of Program Implementation

The following Table II summarizes progress made towards program implementation of the land use plan (Management Framework Plan). Specifically, the table illustrates the progress made in developing management plans through a coordinated management approach in resolving resource conflicts and accomplishing planned objectives. Existing use by allotment for livestock, wildlife, wild horses and burros is compared to planned management objectives and the necessary range improvements and monitoring scheme to determine effectiveness in accomplishing these objectives. Completed monitoring actions and range improvements accomplished since the final EIS are shown to depict progress of on-the-ground management implementation. Also, shown are the projected implementation methods for making grazing use adjustments (Agreement vs. Decision).

Table II
Progress of Program Implementation Paradise-Denio Resource Area

			LIVESTOCK		WILDLIFE				WILD HORSES AND BURROS				RANGE IMPROVEMENT PROJECTS				
					Existing Use (AUMs)								PLANNED 3/		COMPLETED		
Kind of Plan	Allotment/Operator	Selective Management Category	Initial Stocking Level 1/ (AUMs)	Management Objectives 1/	Deer	Antelope	Bighorn Sheep	Management Objectives 1/	Existing Use (AUMs)	Management Objectives 1/	Identified Monitoring Plan 2/ Components	Completed Monitoring Actions	Units	Type	Units	Type	Program Implementation Method
I. Current Planning Efforts This section of the table addresses those allotments where specific management plans have been developed or are now in the process of development. The "I" allotments listed are those where the BLM will concentrate public funding supplemented with private contributions in an effort to complete the necessary range improvements required to implement the management plans.																	
CRMP	U.C./ Nevada First Corp. (Leased to John L. Falen)	M	6,300	Establish proper long-term stocking rates for livestock. Implement range program which complements other CRMP objectives. Manage livestock grazing to improve ecological condition from poor to fair on 3,102 acres and from fair to good on 352 acres.	69	0	0	Provide adequate browse for reasonable numbers of mule deer (600 AUMs). Improve and maintain riparian zones of Eightmile Canyon and Threemile Creeks to at least 60% of optimum habitat condition (as per BLM Manual 6671). Maintain current levels of antelope bitterbrush.	0	N/A	1. Establish ecological condition on key areas. 2. Utilization 3. Actual use 4. Use patterns 5. Climate 6. Trend 7. Riparian condition 8. Bitterbrush utilization	Utilization studies on 9 of 11 key areas. Two year's use patterns on seedings (7). One year's use patterns on native field. Frequency trend established on 7 of 10 key areas. Bitterbrush utilization transects established. Riparian studies established.	2 each	spring	2 each	spring	Agreement on initial stocking level through CRMP. Decision to monitor and make adjustments, if necessary.
CRMP AMP	Little Owyhee/ Nevada First Corp. (Leased to Seco Co.) (Leased to Charlie Amos)	I	27,800 12,050 12,000	Increase available forage for livestock to sustain an active preference of 44,883 AUMs. Adjustments in livestock AUMs, upward or downward, will be based upon monitoring of available forage for livestock in the same proportion as the initial stocking rate for livestock and wild horses. Improve range condition on the two seasonal use areas (spring and summer) by operating a three-pasture rest-rotation grazing system between 4/1 and 9/30.	246 (Wmca) 0 (Elko)	422 250	0 0	Manage rangeland habitat and forage condition to sustain reasonable numbers of wildlife demand as follows: Deer 200 AUMs Antelope 1,233 AUMs Bighorn Sheep 72 AUMs (when introduced) Increases in available forage for big game will be made in the same proportion as the initial stocking rate for livestock, wild horses, and wildlife. A decrease in wildlife AUMs will be made only if the demand (reasonable numbers) is reduced. Improve riparian habitat by fencing critical habitats where and when needed. Protect sage grouse strutting areas and associated breeding complexes from adverse land use impacts; improve sage grouse habitat to provide for increased population numbers. Improve antelope winter, summer, and yearlong habitat condition, maintain antelope kidding habitat. Develop the potential of the North Fork of the Little Humboldt River to support a sport fishery.	15,000	Initial reduction to 3,578 AUMs. Provide adequate forage for wild horses of 3,840 AUMs Adjustments in wild horse AUMs, upward or downward, will be based upon monitoring of available forage for wild horses in the same proportion as the initial stocking rate for livestock and wild horses. Perpetuate a viable herd compatible with other resources; preserve unique types and markings and reduce internal barriers to herd migration.	1. Identify key areas 2. Identify ecological range sites for key areas. Establish: 3. Utilization plots, studies 4. Photo and measured trend plots 5. Frequency transects 7. Monitoring schedules 8. Management actions for the following resources: wildlife habitat, range, watershed, wild horses, riparian, and aquatic wildlife.	Preliminary establishment of key areas. Eartagging Actual use	12 each 11 each 2 each 27 miles 4 each 1 each 5,726 miles	spring reservoir pipeline fence guzzler catchment brush control	0 1 each 0 .25 mile 0 0 0	0 reservoir 0 fence	Agreement with livestock operator for an initial reduction of 17,082 AUMs voluntary nonuse and to monitor resource condition through the CRMP process. Agreement or decision to monitor within six months and, if necessary, make adjustments.
CRMP	Bullhead/ Nevada First Corp. (Leased to Seco Co.)	I	7,500	Increase available forage for livestock to sustain an active preference of 17,930 AUMs. Adjustments in livestock AUMs, upward or downward, will be based upon monitoring of available forage for livestock in the same proportion as the initial stocking rate for livestock and wild horses. Improve range condition on the two seasonal use areas (spring and summer) by operating a three-pasture rest-rotation grazing system between 4/1 and 12/15. A deferred rest system will be used for the seeding and proposed seedings.	144 (Wmca) 909 (Elko)	0 60	0 0	Manage rangeland habitat and forage condition to sustain reasonable numbers of wildlife demand as follows: Deer 1,029 AUMs Antelope 101 AUMs Bighorn Sheep 370 AUMs Improve condition of riparian areas through fencing and implementation of a rest-rotation grazing system. Protect existing sage grouse strutting areas and breeding complexes, and future grounds identified. Develop potential waterfowl habitat. Provide available, quality water for all wildlife.	7,000	Initial reduction of wild horse numbers to 600 AUMs. Provide adequate forage for wild horses of 900 AUMs. Adjustments in wild horse AUMs, upward or downward, will be based upon monitoring of available forage for wild horses in the same proportion as the initial stocking rates for livestock and wild horses. Perpetuate a viable herd which is manageable and compatible with other resources. Preserve unique types and markings. Reduce internal barriers to herd migration.	1. Identify key areas 2. Identify ecological range sites for key areas Establish: 3. Utilization plots, studies 4. Photo & measured trend plots 5. Frequency transects 6. Condition transects 7. Monitoring schedules 8. Management actions for the following resources:	Preliminary utilization plots. Ear tags Actual use	2 each 8 each 4 each 37 mi. 2 each 5,000 acres 3,000 acres	spring reservoir pipeline fence cattleguard seeding brush control	0 0 0 0 0 0 0	0 0 0 0 0 0 0	Agreement with livestock operator for an initial reduction of 6,350 AUMs voluntary nonuse, and to monitor resource condition through the CRMP process. Agreement or decision to monitor within six months and, if necessary, make adjustments.

Table II
Progress of Program Implementation Paradise-Denio Resource Area

			LIVESTOCK		WILDLIFE				WILD HORSES AND BURROS				RANGE IMPROVEMENT PROJECTS				
Kind of Plan	Allotment/Operator	Selective Management Category	Initial Stocking Level 1/ (AUMs)	Management Objectives 1/	Existing Use (AUMs)			Management Objectives 1/	Existing Use (AUMs)	Management Objectives 1/	Identified Monitoring Plan 2/ Components	Completed Monitoring Actions	PLANNED 3/		COMPLETED		Program Implementation Method
					Deer	Antelope	Bighorn Sheep						Units	Type	Units	Type	
	Bullhead (Continued)							Increase in available forage for big game will be made in the same proportion as the initial stocking rate for livestock, wild horses, and wildlife.			wildlife habitat, range, wild horses, watershed, riparian, and aquatic wildlife.						
CRMP	Jordan Meadows/ N. J. Ranches (Leased to John L. Falen)	I	8,500	Provide forage to sustain an active preference of 10,262 AUMs. Develop range improvements for proper livestock distribution. Increase spring range carrying capacity. Manage livestock grazing to improve ecological condition from poor to fair on 59,180 acres, and from fair to good on 26,825 acres.	69	108	0	Provide adequate habitat for reasonable numbers of mule deer (170 AUMs) and antelope (120 AUMs). Develop range improvements to establish more available, quality water sources. Improve condition of riparian habitats and watershed areas; improve and maintain the aquatic habitat having the potential to expand a sport fishery on Jordan Meadows Creek. Maintain or improve habitat for strutting, nesting, and brooding by sage grouse; protect future sites as identified. Protect aspen stands from continued degradation by excluding or minimizing livestock grazing.	0	N/A	1. Establish ecological condition on key areas. 2. Utilization 3. Actual use 4. Climate 5. Trend 6. Wildlife habitat diversity 7. Utilization by cattle of Lone Willow Exclosure to enhance sage grouse brooding habitat.	Range utilization studies in place in seedings (3). Preliminary key area identification in one of two spring pastures.	6 each 23 each 4,000 acres	spring reservoir (dev. & redev.) seeding	3 each 0 0	spring 0 0	Agreement on initial stocking rates through CRMP. Decision to monitor and make adjustments, if necessary.
AMP	Horse Creek/ Frank McErquiaga	I	3,600	Provide forage to sustain 4,449 AUMs active preference.	747	34	0	Manage forage conditions to accommodate reasonable numbers for: Deer 805 AUMs Antelope 55 AUMs Bighorn Sheep 98 AUMs (when introduced) Assure that unnamed meadows do not become adversely impacted from land uses such as mining and livestock grazing. Assure continued protection of Old Man Spring Exclosure for the primary benefit to sage grouse. Continue o provide available water for wildlife.	0	N/A	1. Ecological site condition and trend 2. Actual use 3. Climate 4. Range utilization 5. Project maintenance 6. Wildlife habitat 7. Water quality 8. Riparian habitat	Actual use. Four critical/key areas identified. Two utilization studies established.	600 ac. 713 ac. 1 mile 1 each	spring seeding pipeline spring	5 each 1,257 acres 0 5 each	spring seeding 0 spring	Decision to monitor and make adjustments, if necessary.
CRMP AMP	Alder Creek/ Live Oak Associates-West	I	9,500	Increase available forage for livestock to sustain an active preference of 11,787 AUMs. Initiate a three-pasture rest-rotation grazing system on the summer use area (6/1 to 9/30). Initiate a six-pasture rest-rotation grazing system on one spring use area and use waters to control livestock distribution and utilization to acceptable levels on the other spring use area.	1,200	268	0	Manage rangeland habitat and forage condition to support reasonable numbers of wildlife demand as follows: Deer 1,215 AUMs Antelope 540 AUMs Bighorn Sheep 84 AUMs (when introduced) Mitigate existing habitat problems /conflicts at Theodore Basin and Adams Mine Meadows. Provide available wildlife water on McGee Mountain. Protect sage grouse breeding complexes. Improve and maintain the condition of aquatic (and riparian) habitats having the potential to support a sport fishery on Alder, Alta, Granite, and Big Creeks, and Blue Lakes. Preserve woodland habitat.	300	Provide forage for 41 burros (492 AUMs) in the McGee Mountain Herd Use Area.	1. Key areas and ecological range sites for key areas. Establish: 2. Utilizaion plots, photo and measured trend plots 3. Frequency transects 4. Condition transects 5. Monitoring schedules 6. Management actions for the following resources: wildlife habitat, range, watershed, and burros.	Development of use pattern maps by pasture. Preliminary establishment of key areas. Detailed actual use records. Eartagging.	12.1 miles 20 mi. 3 each 5 each 1 each 21 each 1,600 acres 5,400 acres 5.5 miles	pipeline fence cattleguard reservoir well spring brush control seeding exclosure	4.2 miles 0 0 0 0 1 each 0 0 3.5 miles	pipeline 0 0 0 0 spring 0 0 exclosure	Agreement with livestock operator to take a 20% voluntary reduction. Implementation of a grazing system, including proposed range improvements. Decision to monitor and make adjustments, if necessary.
AMP	Abel Creek/ Thomas and David Cassinelli Ferraro Cattle Co. Duane Boggio	I	1,542 651 613 278	Increase available livestock forage to sustain an active preference of 2,025 AUMs, primarily through rehabilitation of seeded range. Revise AMP to meet management objectives. Manage livestock grazing to improve ecological condition from poor to fair on 328 acres and from fair to good on 887 acres. Coordinate grazing use with the Forest Service.	186	0	0	Manage forage conditions to attain the level needed to accommodate for reasonable numbers of mule deer (420 AUMs). Protect one known sage grouse strutting site and breeding complex, and other future grounds identified. Improve and maintain the condition of aquatic habitat having the potential to support a sport fishery on Wash O'Neil Creek and Stonehouse Creek, through prioritization of the CRMP process.	0	N/A	1. Establish ecological site condition 2. Trend 3. Actual use 4. Climate 5. Range utilization 6. Riparian and aquatic habitat 7. Wildlife habitat	Two utilization studies established in 2 of the 3 seeded pastures (third seeding so badly in need of rehabilitation that on utilization established).	3 each 1 each 1 each	seeding rehab. (spray, reseed) spring well redev.	0 0 1 each	0 0 well redev.	Interim USFS/BLM/user agreement. Decision to monitor and make adjustments, if necessary.

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Kind of Plan	Allotment/Operator	Selective Management Category	LIVESTOCK		WILDLIFE				WILD HORSES AND BURROS		Identified Monitoring Plan 2/ Components	Completed Monitoring Actions	RANGE IMPROVEMENT PROJECTS				Program Implementation Method
			Initial Stocking Level 1/ (AUMs)	Management Objectives 1/	Existing Use (AUMs)			Management Objectives 1/	Existing Use (AUMs)	Management Objectives 1/			PLANNED 3/		COMPLETED		
					Deer	Antelope	Bighorn Sheep						Units	Type	Units	Type	
Grazing System	Knott Creek/ R.O.D. Inc.	I	3,000	Increase available forage for livestock to sustain an active preference of 6,032 AUMs by operating a deferred grazing system. The key areas in this allotment are meadows. If deferment and light stocking are not adequate, fencing would be employed.	543	0	0	Manage rangeland habitat and forage condition to support reasonable numbers of wildlife demand as follows: Deer 510 AUMs Antelope 148 AUMs Bighorn Sheep 235 AUMs (if introduced) Mitigate habitat problems/conflicts (if they exist) in the crucial areas—meadows and aspen complexes—in the Knott Creek and Onion Pastures. Protect known sage grouse breeding complexes and any future grounds identified. Preserve curlleaf mountain mahogany, aspen, and limber pion stands through active fire suppression and prohibiting wood harvest. Improve and maintain the condition of aquatic habitat having the potential to expand or support a sport fishery on the following: Alder Creek, Cove Creek, Craine Creek, Onion Valley Reservoir, etc.	0	N/A	1. Ecological range site condition classing of key areas 2. Detailed actual use 3. Range utilization (use pattern maps and utilization plots) 4. Climate 5. Project maintenance 6. Recreational use 7. Photo plots	Development of use pattern map by pasture. Preliminary establishment of key areas. Detailed actual use records. Eartagging. Project inspections as time permits. Photo plots have been established in all meadows in the Onion Pasture (to aid in monitoring trend).	9 miles 2 each 5 each 10 miles 2 miles	fence cattleguard spring pipeline exclosure	0 0 1 each 0 0	0 0 spring 0 0	Informal agreement with operator to take 20-50% voluntary nonuse. Implementation of a grazing system, including proposed range improvements. Decision to monitor and make adjustments, if necessary.
II. Priority Planning Efforts This section of the table addresses those allotments that have a high priority for development of intensive grazing management and monitoring plans. Future emphasis in allotment specific management planning will be placed on these allotments within the resource area.																	
AMP	Coyote Hills/ Daniel and Sammye Ugalde	I	2,397	Provide adequate forage to graze 2,397 livestock AUMs (active preference). Improve vegetative range condition from 28,014 acres in poor condition and on 10,361 acres in fair conditon to 2,072 acres in good condition, 11,090 acres in fair condition, and 26,213 acres in poor condition.	126	17	0	Manage rangeland habitat and forage to sustain reasonable numbers as follows: Deer 100 AUMs Antelope 148 AUMs Bighorn Sheep 0 AUMs Protect known sage grouse strutting grounds and breeding complexes and any grounds identified in the future.	0	N/A	1. Ecological site condition and trend 2. Actual use 3. Climate 4. Range utilization 5. Wildlife habitat 6. Riparian habitat	Actual use.	3,480 acres 1,000 acres 1.5 miles	brush control seeding fence	0 0 0	0 0 0	Decision to monitor and make adjustments, if necessary.
General Land Use Plan	Paiute Meadows/ Paiute Meadows Ranch	I	7,827	Increase available forage for livestock to sustain an active preference of 7,827 AUMs. Improve range condition from poor to fair on 161,158 acres and fair to good on 15,938 acres. Develop a livestock grazing plan that will alleviate the following problems: 1. Inadequate livestock distribution 2. Excessive stocking rate 3. Improper season-of-use 4. Livestock drift	1,869	204	0	Manage rangeland habitat and forage condition to support reasonable numbers of wildlife demand as follows: Deer 1,838 AUMs Antalope 307 AUMs Bighorn Sheep 0 AUMs (when introduced) Improve condition of deteriorating upland meadows. Protect sage grouse breeding complexes. Imrove and maintain the condition of aquatic habitat and riparian zones having the potential to support a sport fishery at Battle, Bartlett, and Pahute Creeks.	3,204	Graze 59 (708 AUMs) wild horses in the Black Rock Range-East Herd Use Area.	1. Ecological site condition and trend 2. Actual use 3. Climate 4. Range utilization 5. Project maintenance 6. Wildlife habitat 7. Riparian habitat 8. Water quality 9. Wild horses	Eartagging. Project maintenance as time permits	4 each 13 miles	cattleguard fence	4 each 13 miles	cattleguard fence	Decision to monitor and make adjustments, if necessary.
General Land Use Plan	Little Horse Creek/ Henry McErquiaga	1	524	Improve 356 acres from poor to fair condition. Provide livestock forage to sustain 524 AUMs active preference.	126	0	0	Manage forage condition to accommodate reasonable numbers as follows: Deer 120 AUMs Antalope 0 AUMs Bighorn Sheep 33 AUMs (when introduced) Repair/modify fences to facilitate movement through area by big game, i.e., Riser-Horse Creek Fence. Maintain integrity of watershed and meadows for sage grouse.	0	N/A	1. Ecological site condition and trend 2. Actual use 3. Climate 4. Range utilization 5. Project maintenance	Actual use.	0	0	0	0	Decision to monitor and make adjustments, if necessary.

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Progress of Program Implementation Paradise-Denio Resource Area

Kind of Plan	Allotment/Operator	Selective Management Category	LIVESTOCK		WILDLIFE				WILD HORSES AND BURROS		Identified Monitoring Plan 2/ Components	Completed Monitoring Actions	RANGE IMPROVEMENT PROJECTS				Program Implementation Method
			Initial Stocking Level 1/ (AUMs)	Management Objectives 1/	Existing Use (AUMs)			Management Objectives 1/	Existing Use (AUMs)	Management Objectives 1/			PLANNED 3/		COMPLETED		
					Deer	Antelope	Bighorn Sheep						Units	Type	Units	Type	
AMP	Willow Creek/ Kenneth Earp	I	1,231	Improve 278 acres from poor to fair condition. Improve 169 acres from fair to good condition. Provide forage to sustain 1,231 AUMs active preference.	93	0	0	Manage forage conditions to accommodate reasonable numbers for mule deer (195 AUMs). Improve condition of meadow and riparian habitats for wildlife and watershed values.	0	N/A	1. Ecological site condition and trend 2. Actual use 3. Climate 4. Range utilization 5. Project maintenance 6. Wildlife habitat 7. Riparian habitat	Actual use. 5 key/critical areas identified. 5 trend studies established.	580 acres	seeding	0	0	Decision to monitor. Decision to implement adjustments, if necessary.
AMP	Flat Creek/ Kenneth Earp	I	2,678	Improve 803 acres from poor to fair conditions. Provide forage to sustain 1,231 AUMs active preference.	93	0	0	Manage forage conditions to accommodate reasonable numbers of mule deer (195 AUMs). Provide available, quality water for wildlife.	0	N/A	1. Ecological site condition and trend 2. Actual use 3. Climate 4. Range utilization 5. Project maintenance 6. Riparian habitat 7. Wildlife habitat 8. Water quality	Actual use. 8 key areas identified. 5 trend studies established. 3 utilization studies established.	580 ac. 1,060 acres 0 0	seeding brush control 0 0	0 0 2 each 8.25 miles	0 0 cattleguard pipeline	Decision to monitor. Decision to implement adjustments, if necessary.
CRMP	Sand Dunes/ T Quarter Circle Ranches, Inc. Stanley J. Daniels Melvin Pedroli Estate	I	3,865 3,314 183 368	Increase available forage for livestock to sustain an active preference of 3,865 AUMs. Improve range condition from poor to fair on 81,428 acres and from fair to good on 5,198 acres by implementing a rest-rotation grazing system in conjunction with areas in the Sand Pass Allotment.	126	0	0	Manage rangeland habitat and forage condition to support reasonable numbers of wildlife demand for deer (90 AUMs). Provide available water for wildlife where needed.	2,172 (181 horses)	Remove all wild horses and/or burros from checkerboard lands within this allotment.	1. Ecological site condition and trend 2. Actual use 3. Climate 4. Range utilization 5. Project maintenance 6. Wild horses 7. T&E plants 8. Recreational use 9. Cultural sites	Eartagging. Actual use. Wild horse inventories.	5 mi. 1 each 8 miles 2 each 2 each 6,780 acres	fence cattleguard road spring well seeding	0 0 0 0 0 0	0 0 0 0 0 0	Decision to monitor. Decision to implement adjustments, if necessary.
CRMP	Sand Pass/ T Quarter Circle Ranches, Inc.	I	1,867	Increase available forage for livestock to sustain an active preference of 1,867 AUMs. Improve range condition from poor to fair on 21,649 acres and from fair to good condition on 9,812 acres by implementing a rest-rotation grazing system in conjunction with areas in the Sand Dunes Allotment.	24	0	0	Manage rangeland habitat and forage condition to support reasonable numbers of wildlife demand for deer (60 AUMs). Provide available water for wildlife where needed.	1,008 (84 horses)		1. Ecological site condition and trend 2. Actual use 3. Climate 4. Range utilization 5. Project maintenance 6. Wild horses 7. T&E plants 8. Sensitive plants 9. ORV use	Eartagging. Actual use. Wild horse inventories.	7 miles 1 each 2 each 3 miles 1,220 miles	seeding fence spring pipeline seeding	0 0 0 0 0	0 0 0 0 0	Decision to monitor and make adjustments, if necessary.
CRMP	Humboldt Valley/ T Quarter Circle Ranches, Inc. Tharalson and Duncan William H. Casey E. D. Thacker, Jr.	I	3,289 1,763 1,228 238 60	Increase available forage for livestock to sustain an active preference of 7,602 AUMs. Improve range condition from poor to fair on 90,338 acres and fair to good on 1,841 acres by dividing the allotment into two allotments and implementing a deferred grazing system on one of the newly-established allotments. Critical to the grazing system will be a reduction in stocking rate and changes in season-of-use.	249	0	0	Manage rangeland habitat and forage condition to support reasonable numbers of wildlife demand for deer (300 AUMs). Provide available, quality water for wildlife where needed. Protect sage grouse brooding areas from land use impacts that may disrupt the vegetative character of these areas.	1,272 (106 horses)	Remove all wild horses and/or burros from checkerboard lands within this allotment.	1. Ecological site condition and trend 2. Actual use 3. Climate 4. Range utilization 5. Project maintenance 6. Riparian areas and meadows 7. Wild horses 8. T&E plants	Eartagging. Actual use. Wild horse inventories.	3 each 23 mi. 1 each 1 each 3 each 1,910 acres	cattleguard fence reservoir spring well seeding	1 each 1 mile 0 0 0 0	cattleguard fence 0 0 0 0	Informal agreement with operator (T Quarter Circle Ranches) to take 20% voluntary nonuse. Decision to monitor and make adjustments, if necessary.
AMP	Wilder Bilk/ Quinn River Ranch Dufurrena Sheep Co. Waldkirch	I	17,419 13,887 3,430 104	Increase available forage to sustain an active preference of 17,419 AUMs. Improve range condition from poor to fair on 190,047 acres and from fair to good on 30,932 acres by implementing a combination deferred-rotation and rest-rotation grazing system on both the summer and spring seasonal use areas. Fence, where necessary, crucial meadows and riparian areas.	1,371	154	0	Manage rangeland habitat and forage condition to support reasonable numbers of wildlife demand as follows: Deer 1,418 AUMs Antelope 236 AUMs Bighorn Sheep 93 AUMs (when introduced) Protect known sage grouse breeding complexes and future grounds identified. Encourage the development of a beaver control program with NDOW.	0	N/A	1. Ecological range site condition classing of key areas 2. Actual use 3. Range utilization 4. Project maintenance 5. Riparian and aquatic habitat studies 6. Wildlife habitat 7. Photo plots	8 utilization studies have been established. Use pattern maps are being developed. Preliminary establishment of key areas. Eartagging. Project inspection as time permits. Periodic livestock counts.					
CRMP	Daveytown/ N. J. Ranches Frank McErquiaga	C	5,165 5,149 16	Manage under the CRMP plan. Improve water distribution.	24	0	0	Manage rangeland habitat and forage condition to sustain reasonable numbers of demand for deer (45 AUMs). Assure adequate, quality water for wildlife.	89	Remove all wild horses from this allotment. This allotment is not recognized as being a wild horse area in 1971.	1. Ecological site condition and trend 2. Actual use 3. Climate 4. Range utilization 5. Project maintenance 6. Wildlife habitat	Actual use.	1 each 2 each	cattleguard spring	0 0	0 0	Decision to monitor and make adjustments, if necessary.

Table II
Progress of Program Implementation Paradise-Denio Resource Area

			LIVESTOCK		WILDLIFE				WILD HORSES AND BURROS				RANGE IMPROVEMENT PROJECTS				
					Existing Use (AUMs)								PLANNED 3/		COMPLETED		
Kind of Plan	Allotment/Operator	Selective Management Category	Initial Stocking Level 1/ (AUMs)	Management Objectives 1/	Deer	Antelope	Bighorn Sheep	Management Objectives 1/	Existing Use (AUMs)	Management Objectives 1/	Identified Monitoring Plan Components 2/	Completed Monitoring Actions	Units	Type	Units	Type	Program Implementation Method
New AMP	Dyke Hot/ Rob Nuffer	I	1,391-1,472	Increase available forage for livestock to sustain an active preference of 1,636 AUMs. Improve range condition from poor to fair on 19,941 acres and from fair to good on 3,105 acres by implementing a two-pasture deferred grazing system.	1,122	0	0	Manage forage conditions to accommodate the reasonable numbers of mule deer (1,075 AUMs). Improve the condition of riparian zones.	0	N/A	1. Ecological site condition and trend 2. Actual use 3. Climate 4. Range utilization 5. Project maintenance 6. Wildlife habitat 7. Riparian habitat	Actual use. Project inspections as time permits.	2.5 miles 1,000 acres	fence brush control and seeding	2.5 miles 0	fence 0	Agreement with permittee to take 10-15% voluntary nonuse. Decision to monitor and make adjustments, if necessary.

III. Future Planning Efforts

This section of the table addresses those allotments that have a lower priority within the resource area for development of grazing management plans and/or where current management practices may be satisfactory or with only minor changes necessary. New monitoring plans and management plans or changes in current management will be less intensive. Completion of range improvements to implement these plans will depend primarily upon private contributions.

			LIVESTOCK		WILDLIFE				WILD HORSES AND BURROS				RANGE IMPROVEMENT PROJECTS				
					Existing Use (AUMs)								PLANNED 3/		COMPLETED		
Kind of Plan	Allotment/Operator	Selective Management Category	Initial Stocking Level 1/ (AUMs)	Management Objectives 1/	Deer	Antelope	Bighorn Sheep	Management Objectives 1/	Existing Use (AUMs)	Management Objectives 1/	Identified Monitoring Plan Components 2/	Completed Monitoring Actions	Units	Type	Units	Type	Program Implementation Method
AMP	William Stock/ Steve Lucas	M	5,907	Improve 2,818 acres of the allotment from poor to fair condition. Improve 7,205 acres of the allotment from fair to good condition. Provide forage to sustain an active preference of 5,907 AUMs.	69	36	0	Manage rangeland habitat and forage condition to sustain reasonable numbers of demand as follows: Deer 170 AUMs Antelope 36 AUMs Provide adequate distribution of quality water for wildlife.	0	N/A	1. Ecological site condition and trend 2. Actual use 3. Climate 4. Range utilization 5. Project maintenance 6. Riparian and aquatic habitat 7. Wildlife habitat 8. Water quality	Actual use. Utilization initiated 1981. Trend initiated 1969.	1,920 acres	seeding	0	0	Decision to monitor and, if necessary, make adjustments.
AMP	Pueblo Mountain/ William P. and Ruth Moser	M	1,657	Maintain available forage to sustain an active preference of 1,657 AUMs of the existing AMP that was implemented in 1972.	126	0	0	Manage rangeland habitat and forage condition to support reasonable numbers of wildlife demand as follows: Deer 84 AUMs Improve condition of riparian and meadow habitat. Protect any sage grouse breeding complexes identified in the future (none have been identified to date).	0	N/A	1. Ecological site condition classing of key areas. 2. Actual use 3. Climate 4. Range utilization 5. Project maintenance 6. Wildlife habitat 7. Sensitive species	8 utilization studies have been established. 5 key areas have been selected. The USDA Agricultural Research Service of the University of Nevada at Reno initiated a monitoring program in 1973 for the summer pastures only, which includes: 1. Frequency trend 2. 5x5 photo plot-trend 3. Utilization 4. Precipitation 5. Actual use	2 each 520 acres 2,730 acres	cattleguard seeding brush control	2 each 0 0	cattleguard 0 0	Continue the existing AMP with minor modifications as time permits. The AMP was implemented in 1972. Decision to monitor and make adjustments, if necessary.
AMP	Kings River/ Bengoa Ranching Co., Inc.	M	*11,018	Increase available forage to sustain an active preference of 12,043. Improve 12,255 acres from poor to fair and 4,676 acres from fair to good by continuing the present grazing system as described in the Kings River AMP. See AMP dated 6-3-71 for additional objectives. As time permits these objectives will be modified to comply with MFP III and recent guidance on developing AMP objectives.	1,371	50	0	Manage rangeland habitat and forage condition to support reasonable numbers of wildlife demand as follows: Deer 1,375 AUMs Antelope 71 AUMs Bighorn Sheep 109 AUMs (when introduced) Protect remaining aspen complexes from destruction by beavers through development of a beaver control program with NDOW. Improve the condition of aquatic and riparian habitats along Upper Kings River, Raster Creek, Rodeo Creek, and House Creek. Improve the condition of riparian and meaow habitats.	0	N/A	1. Ecological site condition classing of key areas. 2. Frequency trend plots 3. Actual use 4. Range utilization 5. Project maintenance 6. Riparian habitat 7. Aquatic habitat 8. Aspen	One photo trend plot was established when the AMP was implemented. Data collected on a case-by-case basis. 3 utilization studies have been established since 1980. Project inspections as time permits. Use pattern maps are in the infant stage.	5,940 acres 10,980 acres	seeding brush control	0 0	0 0	AMP implemented in 1971. Decision to monitor and make adjustments, if necessary.

* = 3-year average, 1980-1982.

Table II
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			LIVESTOCK		WILDLIFE				WILD HORSES AND BURROS				RANGE IMPROVEMENT PROJECTS				
Kind of Plan	Allotment/Operator	Selective Management Category	Initial Stocking Level 1/ (AUMs)	Management Objectives 1/	Existing Use (AUMs)			Management Objectives 1/	Existing Use (AUMs)	Management Objectives 1/	Identified Monitoring Plan 2/ Components	Completed Monitoring Actions	PLANNED 3/		COMPLETED		Program Implementation Method
					Deer	Antelope	Bighorn Sheep						Units	Type	Units	Type	
General Land Use Plan	Jackson Mountains/ Delong Ranches, Inc.	M	12,266	Increase available forage for livestock to sustain an active preference of 12,266 AUMs. Improve range condition from poor to fair on 475,523 acres and from fair to good condition on 9,684 acres. Improve water quality for fisheries. Develop a livestock grazing plan that will alleviate the following problems: 1. Improper season-of-use 2. Inadequate livestock distribution 3. Livestock drift 4. Excessive stocking rate	498	50	0	Manage rangeland habitat and forage condition to support reasonable numbers of wildlife demand as follows: Deer 448 AUMs Antelope 72 AUMs Bighorn Sheep 346 AUMs (when introduced) Protect known sage grouse strutting grounds and associated breeding complexes, and future grounds as identified. Improve and maintain the condition of aquatic habitat having the potential to support a sport fishery on Jackson, North Fork-Jackson, Trout, Bottle, and Big Creeks.	1,629	Graze 160 wild horses (1,920 AUMs) in the Jackson Mountains Herd Use Area.	1. Ecological site condition and trend 2. Actual use 3. Climate 4. Range utilization 5. Project maintenance 6. Wildlife habitat 7. Water quality 8. Wild horses	Eartagging. Project inspection as time permits.	18 miles 7 each 7,750 acres	fence well brush control	0 0 0	0 0 0	Decision to monitor and make adjustments, if necessary.
General Land Use Plan	Pine Forest/ Pine Forest Land and Livestock Co.	M	9,700	Increase available forage for livestock to sustain an active preference of 9,700 AUMs. Improve range condition from poor to fair on 114,917 acres and fair to good on 9,993 acres by implementing a deferred grazing system, deferring use on the summer range until after seedripe.	2,367	67	0	Manage rangeland habitat and forage condition to support reasonable numbers of wildlife demand as follows: Deer 2,338 AUMs Antelope 108 AUMs Bighorn Sheep 72 AUMs (when introduced) Elk 96 AUMs (when introduced) Protect sage grouse breeding complexes. Protect Calanthus barnebii from all man-caused impacts. Improve water quality and watershed problems along Leonard, Snow, and Chicken Creeks. Improve the general condition of specific habitat types (meadows, aspen, and mountain browse).	0	N/A	1. Ecological site condition and trend 2. Actual use 3. Climate 4. Range utilization 5. Project maintenance 6. Wildlife habitat 7. Riparian and aquatic habitat 8. Water quality 9. Sensitive plant (Calanthus barnebii)	8 utilization studies established since 1980. Eartagging. Project inspection as time permits. Periodic livestock counts.	0 0 0	0 0 0	2 each 17 miles 6 each	spring fence cattleguard	Decision to monitor and make adjustments, if necessary.
AMP	Washburn/ Mentaberry Bros.	M	1,601	Improve 2,711 acres from poor to fair condition. Improve 884 acres from fair to good condition. Provide forage to sustain 1,601 AUMs active preference.	24	84	0	Manage forage conditions to accommodate reasonable numbers of mule deer (30 AUMs) and antelope (96 AUMs). Protect known sage grouse strutting sites and breeding complexes and future grounds identified. Improve and maintain the condition of aquatic habitat for a potential sport fishery along Washburn Creek. Protect Astragalus solitarius from all land use impacts.	0	N/A	1. Ecological site condition and trend 2. Actual use 3. Climate 4. Range utilization 5. Project maintenance 6. Wildlife use 7. Riparian areas 8. Sensitive plant 9. Water quality 10. Soil erosion	Actual us. 7 key areas identified. 3 utilization studies established. 4 trend studies established.					Decision to monitor. Decision to implement adjustments, if needed.
AMP	Crowley Creek/ Buffalo Ranches	M	2,856	Improve 16,035 acres from fair to good condition. Improve 28,508 acres from poor to good condition. Provide forage for 2,856 AUMs active preference.	24	24	0	Manage forage conditions to accommodate reasonable numbers of mule deer (58 AUMs) and antelope (24 AUMs). Protect selected meadows from continued land use impacts, i.e., Lyle Spring Meadow, Calavera Meadow. Restore the severely degraded condition of Crowley Creek to good condition by 1994; through coordinated planning, develop an aquatic HMP for Crowley Creek.	0	N/A	1. Ecological site condition and trend 2. Actual use 3. Climate 4. Range utilization 5. Project maintenance 6. Riparian and aquatic habitat 7. Water quality	Actual use. 10 key/critical, 4 utilization, and 6 trend studies established.	2,315 acres 0	seeding 0	0 4 miles	0 pipeline	Decision to monitor. Decision to implement adjustments, if needed.
AMP	Pole Creek/ Kenneth Earp	M	2,375	Provide forage to sustain 2,375 AUMs active preference. Improve 5,519 acres from fair to good condition. Improve 25,122 acres from poor to fair condition.	24	48	0	Manage forage conditions to accommodate reasonable numbers of: Deer 52 AUMs Antelope 48 AUMs Bighorn Sheep 55 AUMs (when introduced) Protect known sage grouse breeding complexes and future grounds identified from adverse land use impacts. Assure available, quality water for wildlife.	0	N/A	1. Ecological site condition and trend 2. Actual use 3. Climate 4. Range utilization 5. Project maintenance 6. Wildlife habitat 7. Aquatic habitat 8. Water quality	Actual use. 8 key areas identified. 8 trend studies established.	2,933 acres 0	brush control 0	0 1.2 miles	0 pipeline	Decision to monitor. Decision to implement adjustments, if needed.

Table II

Progress of Program Implementation Paradise-Denio Resource Area

Kind of Plan	Allotment/Operator	Selective Management Category	LIVESTOCK: Initial Stocking Level 1/ (AUMs)	LIVESTOCK: Management Objectives 1/	WILDLIFE: Existing Use (AUMs): Deer	WILDLIFE: Existing Use (AUMs): Antelope	WILDLIFE: Existing Use (AUMs): Bighorn Sheep	WILDLIFE: Management Objectives 1/	WILD HORSES AND BURROS: Existing Use (AUMs)	WILD HORSES AND BURROS: Management Objectives 1/	Identified Monitoring Plan Components 2/	Completed Monitoring Actions	RANGE IMPROVEMENT PROJECTS: PLANNED 3/: Units	RANGE IMPROVEMENT PROJECTS: PLANNED 3/: Type	RANGE IMPROVEMENT PROJECTS: COMPLETED: Units	RANGE IMPROVEMENT PROJECTS: COMPLETED: Type	Program Implementation Method
General Land Use Plan	Double H/ Grace McErquiaga	M	1,687	Improve 4,735 acres from poor to fair condition.	24	24	0	Manage forage conditions to accommodate reasonable numbers of: Deer 75 AUMs Antelope 2 AUMs Bighorn Sheep 65 AUMs (when introduced) Restore riparian areas from poor to good condition by 1993.	0	N/A	1. Ecological site condition and trend 2. Actual use 3. Climate 4. Range utilization 5. Project maintenance 6. Wildlife habitat 7. Riparian habitat	Actual use.	14 miles	fence	0	0	Decision to monitor. Decision to implement adjustments, if needed.
AMP	Spring Creek/ Barnen Cattle Co.	M	2,098	Improve 1,735 acres of the allotment from poor to fair condition. Improve 1,048 acres from fair to good condition. Provide forage to sustain an active preference of 2,098 AUMs.	69	48	0	Manage rangeland habitat and forage condition to sustain reasonable numbers as follows: Deer 150 AUMs Antelope 48 AUMs Stabilize and improve condition of riparian habitat.	0	N/A	1. Ecological site condition and trend 2. Actual use 3. Climate 4. Range utilization 5. Project maintenance 6. Wildlife habitat	Actual use.	1,600 acres	seeding	0	0	Decision to monitor. Decision to implement adjustments, if needed.
DMP	Pt. McDermitt/ Pt. McDermitt Stockmen's Association	M	2,149	Improve 401 acres from poor to fair condition. Improve 1,670 acres from fair to good condition. Provide forage to sustain 2,149 AUMs active preference.	24	0	0	Manage forage conditions to accommodate reasonable numbers of mule deer (63 AUMs). Antelope (30 AUMs) are administered by the Vale District.	0	N/A	1. Ecological site condition and trend 2. Actual use 3. Climate 4. Range utilization 5. Project maintenance 6. Wildlife habitat 7. Water quality	Actual use.	2,709 acres 0 0	seeding 0 0	0 1.8 miles 1 each	0 fence cattleguard	Decision to monitor. Decision to implement adjustments, if needed.
AMP	Long Canyon/ Frey & Sons, Inc.	M	1,697	Manage rangeland conditions and sustain forage availability for 1,697 livestock AUMs. Improve meadow conditions. Implement range improvements. Revise AMP. Manage livestock grazing to improve ecological condition from poor to fair condition on 868 acres and from fair to good condition on 1,569 acres.	0	0	0	Provide adequate habitat for reasonable numbers of mule deer (15 AUMs).	0	N/A	1. Ecological condition of key areas 2. Trend 3. Range utilization 4. Actual use 5. Climate	Utilization studies placed in 2 of the 3 seeded pastures, none of the 5 native fields.	2,150 acres 1,230 acres	seeding brush control	0 0	0 0	Decision to monitor. Decision to implement adjustments, if needed.
AMP	Sugarloaf/ Robert Thomas	M	600	Improve 5,095 acres of the allotment from fair to good condition. Provide forage to sustain an active preference of 600 AUMs.	24	0	0	Manage rangeland habitat and forage condition to sustain reasonable numbers of demand for deer (75 AUMs) Stabilize and improve condition of riparian habitat.	0	N/A	1. Ecological site condition and trend 2. Actual use 3. Climate 4. Range utilization 5. Project maintenance 6. Wildlife habitat	Actual use.					Decision to monitor. Decision to implement adjustments, if needed.
AMP	Bloody Runs/ Nevada First Corp. (Leased to Mrs. George Miller)	M	1,213	Improve 2,580 acres of the allotment from poor to fair condition. Improve 510 acres from fair to good condition. Provide forage to sustain an active preference of 1,213 AUMs.	93	0	0	Manage rangeland habitat and forage condition to sustain reasonable numbers of demand for deer (195 AUMs). Provide adequate distribution of quality water for wildlife.	743	Remove all wild horses and/or burros from checkerboard lands within this allotment.	1. Ecological site condition and trend 2. Actual use 3. Climate 4. Range utilization 5. Project maintenance 6. Riparian areas 7. Rebel Creek 8. Wildlife	Actual use.	21 miles 3,070 acres 1 each	fence seeding well	0 0 0	0 0 0	Decision to monitor. Decision to implement adjustments, if needed.
AMP	Buttermilk/ Grant and Mabel Johnson, Robert MacDiarmid, Carlo Recanzone, Seven H-L Ranch, James W. Wallace	M	2,733 900 332 208 741 552	Improve 1,056 acres of the allotment from poor to fair condition. Improve 3,526 acres from fair to good condition. Provide forage to sustain an active preference of 2,733 AUMs. Revise existing AMP.	141	12	0	Manage rangeland habitat and forage condition to sustain reasonable numbers of demand for deer (300 AUMs). Protect sage grouse strutting and wintering areas. Protect and stabilize condition of riparian habitat in Martin Creek.	0	N/A	1. Ecological site condition and trend 2. Actual use 3. Climate 4. Range utilization 5. Project maintenance 6. Wildlife habitat 7. Riparian habitat	Actual use.	1 each 1 mile 2 each	reservoir fence spring	0 0 0	0 0 0	Decision to monitor. Decision to implement adjustments, if needed.
AMP	Paradise Hill/ Mrs. George Miller, Steve Lucas, Triple T Ranches	M	2,293 685 273 1,335	Manage rangeland condition and sustain forage availability for 2,293 livestock AUMs. Implement range improvements. Improve riparian and meadow habitat. Revise AMP. Manage livestock grazing to improve ecological condition from poor to fair on 461 acres and from fair to good on 1,868 acres.	69	0	0	Provide adequate habitat for reasonable numbers of mule deer (150 AUMs).	0	N/A	1. Ecological site condition and trend 2. Trend 3. Actual use 4. Range utilization 5. Climate 6. Wildlife habitat	One utilization study established.	3,231 acres 1,184 acres	seeding brush control	0 0	0 0	Decision to monitor. Decision to implement adjustments, if necessary.

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Kind of Plan	Allotment/Operator	Selective Management Category	LIVESTOCK		WILDLIFE				WILD HORSES AND BURROS		Identified Monitoring Plan Components 2/	Completed Monitoring Actions	RANGE IMPROVEMENT PROJECTS				Program Implementation Method
			Initial Stocking Level 1/ (AUMs)	Management Objectives 1/	Existing Use (AUMs)			Management Objectives 1/	Existing Use (AUMs)	Management Objectives 1/			PLANNED 3/		COMPLETED		
					Deer	Antelope	Bighorn Sheep						Units	Type	Units	Type	
AMP	Chimney Creek/ Victor Anderson	M	460	Improve riparian habitat. Revise AMP to meet management objectives. Manage rangeland conditions and sustain forage availability for 460 AUMs. Manage livestock grazing to improve ecological condition from poor to fair on 2,074 acres and from fair to good on 720 acres.	75	0	0	Manage rangeland habitat and forage condition to sustain reasonable numbers of demand: Deer 75 AUMs	0	N/A	1. Ecological site condition and trend 2. Actual use 3. Range utilization 4. Project maintenance 5. Wildlife habitat 6. Riparian and aquatic habitat	Actual use (yearly). Range condition and trend studies.	520 acres	brush control	0	0	Decision to monitor. Decision to implement adjustments, if necessary.
AMP	Andorno/ Paragien and Miller Cattle	M	873	Provide forage to sustain an active preference of 873 AUMs. Improve wildlife and riparian habitat. Revise AMP. Manage livestock grazing to improve ecological condition from poor to fair on 686 acres.	75	0	12	Manage rangeland habitat and forage condition to sustain reasonable numbers of demand: Deer 75 AUMs	0	N/A	1. Ecological site condition and trend 2. Actual use 3. Climate 4. Range utilization 5. Project maintenance 6. Wildlife habitat 7. Riparian habitat	Actual use (yearly). Range condition and trend. Climate.	4,030 acres	brush control	0	0	Decision to monitor. Decision to implement adjusrments, if necessary.
General Land Use Plan	Scott Springs/ Nevada First Corp.	M	419	Improve 18,929 acres of the allotment from poor to fair condition. Improve 2,103 acres of the allotment from fair to good condition. Protect the *Astragalus yoder-williamsii* sensitive plant. Provide forage to sustain an active preference to 419 AUMs.	48	0	0	Manage rangeland habitat and forage condition to sustain reasonable numbers of demand: Deer 135 AUMs Stabilize and improve condition of riparian habitat. Assure that all wildlife have adequate, quality water. Protect *Astragalus yoder-williamsii* from all use activities.	484	Remove all wild horses and/or burros from checkerboard lands within this allotment.	1. Ecological site condition and trend 2. Actual use 3. Climate 4. Range utilization 5. Project maintenance 6. Wildlife habitat 7. Water quality	Actual use.	0	0	0	0	
AMP	Antelope/ Woodrow Eriksen	M	563	Improve 262 acres from poor to fair condition.	24	0	0	Manage forage conditions to accommodate reasonable numbers of: Deer 75 AUMs Bighorn Sheep 2 AUMs (when introduced) Maintain suppressed ground squirrel poulation numbers in problem areas adjacent to agricultural croplands. Improve water quality in McConnell and Antelope Creeks through riparian improvement.	0	N/A	1. Ecological site condition and trend 2. Actual use 3. Climate 4. Range utilization 5. Project maintenance 6. Wildlife habitat 7. Water quality	Actual use. 3 trend studies have been established. 3 key/critical areas have been identified.	1,706 acres	seeding	0	0	Decision to monitor. Decision to implement adjustments, if necessary.
AMP	Rebel Creek/ N. J. Ranches, Inc.	M	1,000	Improve 442 acres from fair to good condition. Improve 305 acres from poor to fair condition. Provide forage to sustain an active preference of 1,000 AUMs.	93	0	0	Manage forage conditions to accommodate reasonable numbers of: Deer 195 AUMs Bighorn Sheep 10 AUMs (when introduced) Maintain suppressed ground squirrel population numbers in problem areas adjacent to agricultural croplands.	0	N/A	1. Ecological site condition and trend 2. Actual use 3. Climate 4. Range utilization 5. Project maintenance 6. Riparian areas 7. Rebel Creek 8. Wildlife	Actual use. 3 key/critical areas have been identified. 3 trend studies have been established.	0	0	0	0	Decision to monitor. Decision to implement adjustments, if necessary.
AMP	Granite/ Kenneth Buckingham Fred E. Buckingham	M	216 108 108	Improve 64 acres of the allotment from poor to fair condition. Improve 140 acres from fair to good condition. Improve water quality. Provide forage to sustain an active preference of 216 AUMs.	48	0	0	Protect sage grouse strutting areas and associated breeding complexes from land use impacts. Stabilize and improve condition of riparian habitat. Manage rangeland habitat and forage condition to sustain reasonable numbers of demand for: Deer 90 AUMs Improve and maintain the aquatic habitat having the potential for improving the sport fishery along Indian Creek.	0	N/A	1. Ecological site condition and trend 2. Actual use 3. Climate 4. Range utilization 5. Project maintenance 6. Wildlife habitat 7. Riparian and aquatic habitat 8. Water quality	Actual use.	0	0	0	0	Decision to monitor. Decision to implement adjustments, if necessary.
AMP	Solid Silver/ Fred E. Buckingham	M	239	Improve 13 acres of the allotment from poor to fair condition. Provide forage to sustain an active preference of 239 AUMs.	54	0	0	Manage rangeland habitat and forage condition to sustain reasonable numbers of demand for: Deer 45 AUMs Protect sage grouse strutting areas and associated breeding complexes and future grounds identified Stabilize and improve condition of riparian habitat. Improve and maintain aquatic habitat having potential for improving the sport fishery at Solid Silver Creek.	0	N/A	1. Ecological site condition and trend 2. Actual use 3. Climate 4. Range utilization 5. Project maintenance 6. Wildlife habitat 7. Riparian habitat	Actual use.	0	0	0	0	Decision to monitor. Decision to implement adjustments, if necessary.

Table II

Progress of Program Implementation Paradise-Denio Resource Area

Kind of Plan	Allotment/Operator	Selective Management Category	LIVESTOCK		WILDLIFE				WILD HORSES AND BURROS		Identified Monitoring Plan Components 2/	Completed Monitoring Actions	RANGE IMPROVEMENT PROJECTS				Program Implementation Method
			Initial Stocking Level 1/ (AUMs)	Management Objectives 1/	Existing Use (AUMs)			Management Objectives 1/	Existing Use (AUMs)	Management Objectives 1/			PLANNED 3/		COMPLETED		
					Deer	Antelope	Bighorn Sheep						Units	Type	Units	Type	
AMP	Indian Creek/ Forrest Bell	M	250	Improve 54 acres of the allotment from poor to fair condition. Protect cultural sites within allotment. Provide forage to sustain an active preference of 250 AUMs.	24	0	0	Manage rangeland habitat and forage condition to sustain reasonable numbers of demand: Deer 75 AUMs Stabilize and improve condition of riparian habitat.	0	N/A	1. Ecological site condition and trend 2. Actual use 3. Climate 4. Range utilization 5. Project maintenance 6. Wildlife habitat 7. Cultural sites	Actual use.	0	0	0	0	Decision to monitor. Decision to implement adjustments, if necessary.
General Land Use Plan	Mullinex/ Harold K. Boggio	M	133	Improve 79 acres of the allotment from poor to fair condition. Improve 139 acres of the allotment from fair to good condition. Provide forage to sustain an active preference of 133 AUMs.	24	0	0	Manage rangeland habitat and forage condition to sustain reasonable numbers demand for: Deer 60 AUMs Stabilize and improve condition of riparian and aquatic habitat. Protect sage grouse strutting grounds.	0	N/A	1. Ecological site condition and trend 2. Actual use 3. Climate 4. Range utilization 5. Project maintenance 6. Wildlife habitat 7. Riparian habitat	Actual use.	1 acre 1 mile	cattle-guard fence	0 0	0 0	Decision to monitor. Decision to implement adjustments, if necessary.
AMP	Singus/ Lyman Schwartz	M	261	Improve 231 acres of the allotment from fair to good condition. Provide forage to sustain an active preference of 261 AUMs.	69	0	0	Manage rangeland habitat and forage condition to sustain reasonable numbers demand for: Deer 180 AUMs Stabilize and improve condition of riparian habitat.	0	N/A	1. Ecological site condition and trend 2. Actual use 3. Climate 4. Range utilization 5. Project maintenance 6. Wildlife habitat 7. Riparian habitat	Actual use.	0	0	0	0	Decision to monitor. Decision to implement adjustments, if necessary.
AMP	Fort Scott/ Lewis and Ruby Miller	M	320	Improve 463 acres from fair to good condition. Provide forage for 320 AUMs active preference.	48	0	0	Manage habitat to provide forage for reasonable numbers of: Deer 90 AUMs	0	N/A	1. Ecological site condition and trend 2. Actual use 3. Climate 4. Range utilization 5. Project maintenance 6. Wildlife habitat 7. Riparian and aquatic habitat	Actual use. 2 key/critical areas identified. 2 trend studies established.	0	0	0	0	Decision to monitor. Decision to implement adjustments, if necessary.
AMP	Buffalo/ Buffalo Ranches	M	338	Improve 246 acres from poor to to fair condition. Improve 175 acres from fair to good condition. Provide forage to sustain 338 AUMs active preference.	24	0	0	Manage forage conditions to accommodate reasonable numbers for: Deer 75 AUMs Maintain suppressed ground squirrel population numbers in problem areas adjacent to agricultural croplands.	0	N/A	1. Ecological site condition and trend 2. Actual use 3. Climate 4. Range utilization 5. Project maintenance 6. Wildlife habitat 7. Riparian and aquatic habitat	Actual use. 2 key/critical areas identified. 2 trend studies established.	1,700 acres	seeding	0	0	Decision to monitor. Decision to implement adjustments, if necessary.
AMP	Hanson Creek/ Lewis Miller	M	96	Manage rangeland condition and sustain forage availability for 96 livestock AUMs. Manage livestock grazing to improve ecological condition from fair to good on 132 acres. Improved riparian and meadow habitat condition.	24	0	0	Provide adequate habitat for reasonable numbers of: Deer 60 AUMs	0	N/A	1. Ecological site condition of key areas 2. Trend 3. Actual use 4. Range utilization 5. Climate 6. Wildlife habitat	None.	191 acres	seeding	0	0	Decision to monitor. Decision to implement adjustments, if necessary.
General Land Use Plan	Hot Springs Peak/ Stanley and Janice Klaumann	M	1,770	Improve 47,822 acres of the allotment from poor to fair condition. Provide forage to sustain an active preference of 1,770 AUMs.	93	0	0	Manage rangeland habitat and condition to sustain a reasonable numbers of demand: Deer 195 AUMs Protect sage grouse wintering areas.	753	Remove all wild horses and/or burros from checkerboard lands within this allotment.	1. Ecological site condition and trend 2. Actual use 3. Climate 4. Range utilization 5. Project maintenance 6. Wildlife habitat	Actual use.	0	0	0	0	Decision to monitor. Decision to implement adjustments, if necessary.
General Land Use Plan	Asa Moore/ Steve Lucas	M	583	Improve 522 acres of the allotment from poor to fair condition. Improve 55 acres from fair to good condition. Provide forage to sustain an active preference of 583 AUMs.	0	0	0	Manage rangeland habitat and forage condition to sustain reasonable numbers of demand: Deer 30 AUMs Maintain available water for wildlife.	0	N/A	1. Ecological site condition and trend 2. Actual use 3. Climate 4. Range utilization 5. Project maintenance 6. Wildlife habitat 7. Riparian habitat	Actual use.	1,240 acres	seeding	0	0	Decision to monitor. Decision to implement adjustments, if necessary.

Table II
Progress of Program Implementation Paradise-Denio Resource Area

Kind of Plan	Allotment/Operator	Selective Management Category	LIVESTOCK		WILDLIFE				WILD HORSES AND BURROS		Identified Monitoring Plan 2/ Components	Completed Monitoring Actions	RANGE IMPROVEMENT PROJECTS				Program Implementation Method
			Initial Stocking Level 1/ (AUMs)	Management Objectives 1/	Existing Use (AUMs)			Management Objectives 1/	Existing Use (AUMs)	Management Objectives 1/			PLANNED 3/		COMPLETED		
					Deer	Antelope	Bighorn Sheep						Units	Type	Units	Type	
General Land Use Plan	Blue Mountain/ DeLong Ranches, Inc.	M	4,313	Provide adequate forage to graze 4,313 livestock AUMs (active preference).	0	0	0	Manage rangeland habitat and forage to sustain reasonable numbers: Deer 30 AUMs Provide adequate, quality water for all wildlife.	0	N/A	1. Ecological site condition and trend 2. Actual use 3. Climate 4. Range utilization 5. Wild horses 6. T&E plants 7. Soil erosion	Actual use. Eartagging.	0	0	0	0	Decision to monitor and make adjustments, if necessary.
General Land Use Plan	Osgood Mountain/ Jo Hibbs Christison Pinson Ranch	C	3,387 1,782 1,605	Improve 33,490 acres of the allotment from poor to fair condition. Improve 11,582 acres from fair to good condition. Protect Astragalus yoder-williamsii, sensitive plant. Improve water distribution. Provide forage to sustain an active preference of 3,387 AUMs.	141	0	0	Manage rangeland habitat and forage condition to sustain reasonable numbers demand for: Deer 330 AUMs Stabilize and improve condition of riparian habitat. Improve then maintain available quality water for wildlife.	90	Remove all wild horses and/or burros from checkerboard lands within this allotment.	1. Ecological site condition and trend 2. Actual use 3. Climate 4. Range utilization 5. Project maintenance 6. Wildlife habitat 7. Riparian habitat	Actual use.	2 each 13 miles 1 each 4,800 acres	cattleguard fence reservoir seeding	0 0 0 0	0 0 0 0	Decision to monitor and make adjustments, if necessary.
General Land Use Plan	Deer Creek/ Jack Nuffer	C	754	Provide adequate forage to graze 754 livestock AUMs (active preference). Develop intensive management through an activity plan to improve range condition from existing poor vegetative condition to 3,039 acres fair vegetative condition.	126	0	0	Manage rangeland habitat and forage to sustain reasonable numbers: Deer 112 AUMs Bighorn Sheep 58 AUMs (when available) Provide available, quality water for all wildlife.	600	Remove all wild horses from this allotment. This allotment is not recognized as being a wild horse area in 1971.	1. Ecological site condition and trend 2. Actual use 3. Climate 4. Range utilization 5. Wildlife habitat 6. Wild horse inventories	Actual use.	1,250 acres	brush control	0	0	Decision to monitor and make adjustments, if necessary.
General Land Use Plan	Happy Creek/ Jule DeLong	C	3,724	Increase available forage for livestock to sustain an active preference of 3,724 AUMs. Improve range condition from poor to fair on 93,654 acres and from fair to good on 1,912 acres by implementing an intensive management system.	249	0	0	Manage rangeland habitat and forage condition to support reasonable numbers of wildlife demand as follows: Deer 262 AUMs Bighorn Sheep 38 AUMs (when introduced) Improve condition of riparian habitat on Happy Creek. Improve condition of deteriorating wildlife habitat. Protect sage grouse breeding complexes.	297	Remove all wild horses from this allotment. This allotment is not recognized as being a wild horse area in 1971.	1. Ecological site condition and trend 2. Actual use 3. Climate	Eartagging. Project inspection as time permits.	4 miles 1 each	fence spring	4 miles 1 each	fence spring	Decision to monitor and make adjustments, if necessary.
General Land Use Plan	Eden Valley/ Jack Fullenwider	C	2,629	Improve 10,417 acres of the allotment from poor to fair condition. Improve 14,983 acres of the allotment from fair to good condition. Provide forage to sustain an active preference of 2,629 AUMs.	93	0	0	Manage rangeland habitat and forage condition to sustain reasonable numbers of demand: Deer 240 AUMs Stabilize and improve condition of riparian habitat. Maintain availability of quality water for wildlife.	613	Remove all wild horses and/or burros from checkerboard lands within this allotment.	1. Ecological site condition and trend 2. Actual use 3. Climate 4. Range utilization 5. Project maintenance 6. Wildlife habitat 7. Riparian habitat 8. Wild horses	Actual use.	0	0	1 each	spring	Decision to monitor and make adjustments, if necessary.
General Land Use Plan	Gallagher Flat/ Grace McErquiaga Frank McErquiaga	C	1,720 520 1,200	Provide forage to sustain 1,720 AUMs livestock forage.	0	0	0	N/A	0	N/A	1. Ecological site condition and trend 2. Actual use 3. Climate 4. Range utilization 5. Project maintenance	Actual use.	0	0	0	0	Decision to monitor and make adjustments, if necessary.
General Land Use Plan	Desert Valley/ Laura McKernan	C	1,596	Improve 5,683 acres from poor to fair condition. Provide livestock forage to sustain 1,596 AUMs active preference.	126	0	0	Manage forage condition to accommodate reasonable numbers of: Deer 73 AUMs Bighorn Sheep 34 AUMs (when introduced)	0	N/A	1. Ecological site condition and trend 2. Actual use 3. Climate 4. Range utilization 5. Project maintenance 6. Wildlife habitat 7. Riparian and aquatic habitat 8. Wild horses	Actual use.	280 acres	brush control	0	0	Decision to monitor and make adjustments, if necessary.
General Land Use Plan	Golconda Butte/ Glenn Tipton	C	1,089	Improve 9,284 acres of the allotment from poor to fair condition. Improve 7,595 acres from fair to good condition. Provide forage to sustain an active preference of 1,089 AUMs.	0	0	0	N/A	207	Remove all wild horses and/or burros from checkerboard lands within this allotment.	1. Ecological site condition and trend 2. Actual use 3. Climate 4. Range utilization 5. Project maintenance	Actual use.	21 miles 1 each .5 mile 2,254 acres	fence cattleguard pipeline seeding	0 0 0 0	0 0 0 0	Decision to monitor and make adjustments, if necessary.

Table II
Progress of Program Implementation Paradise-Denio Resource Area

			LIVESTOCK		WILDLIFE				WILD HORSES AND BURROS				RANGE IMPROVEMENT PROJECTS				
					Existing Use (AUMs)								PLANNED 3/		COMPLETED		
Kind of Plan	Allotment/Operator	Selective Management Category	Initial Stocking Level 1/ (AUMs)	Management Objectives 1/	Deer	Antelope	Bighorn Sheep	Management Objectives 1/	Existing Use (AUMs)	Management Objectives 1/	Identified Monitoring Plan Components 2/	Completed Monitoring Actions	Units	Type	Units	Type	Program Implementation Method
General Land Use Plan	Iron Point/ Jo Hibbs Christison Pioson Ranch	C	1,240 653 587	Improve 1,928 ares of the allotment from poor to fair condition. Improve 203 acres from fair to good condition. Protect Pediocactus simpsonii var robustior, watch category plant, Nevada State list. Provide forage to sustain an active preference of 1,240 AUMs.	24	0	0	Manage rangeland habitat and forage condition to sustain reasonable numbers demand for: Deer 30 AUMs Stabilize and improve condition for riparian habitat. Potential sport fishery on Mullinex Creek.	0	N/A	1. Ecological site condition and trend 2. Actual use 3. Climate 4. Range utilization 5. Project maintenance 6. Wildlife	Actual use.	1 each	well	0	0	Decision to monitor. Decision to implement adjustments, if necessary.
General Land Use Plan	Upper Quinn/ Kenneth Earp, Buffalo Ranch	C	436 375 61	Provide forage to sustain 436 AUMs livestock forage.	0	0	0		0	N/A	1. Ecological site condition and trend 2. Actual use 3. Climate 4. Range utilization 5. Project maintenance	Actual use.	0	0	0	0	Decision to monitor. Decision to implement adjustments, if necessary.
General Land Use Plan	Sod House/ Nevada First Corp.	C	382	Provide forage to sustain an active preference of 382 AUMs.	0	0	0	Investigate the possibility of acquiring approximately eight miles of riparian habitat from the Fort McDermitt Indian Reservation so that potential waterfowl habitat may be developed.	0	N/A	1. Ecological site condition and trend 2. Actual use 3. Climate 4. Range utilization 5. Project maintenance	Actual use.	0	0	0	0	Decision to monitor. Decision to implement adjustments, if necessary.
General Land Use Plan	Lower Quinn/ Paragien and Miller Cattle Co., Woodrow Eriksen	C	464 237 227	Manage rangeland condition and to sustain forage availability for 464 livestock AUMs.	0	0	0	Nevada Dept. of Wildlife has determined that reasonable numbers of wildlife in this allotment are as follows: Deer 0 AUMs Antelope 0 AUMs Bighorn Sheep 0 AUMs Therefore, no management objectives are necessary.	0	N/A	1. Ecological site condition and trend 2. Actual use 3. Climate 4. Range utilization 5. Project maintenance 6. Wildlife habitat	Actual use.	0	0	0	0	
General Land Use Plan	Cordero/ Ft. McDermitt Stockmen's Association	C	189	Improve 596 acres from poor to fair condition. Raise trend to static. Provide forage for 189 AUMs active preference.	0	0	0	N/A	0	N/A	1. Ecological site condition and trend 2. Actual use 3. Climate 4. Range utilization 5. Project maintenance	Actual use.	0	0	0	0	Decision to monitor. Decision to implement adjustments, if necessary.
AMP	Little Owyhee/ Ft. McDermitt Stockmen's Association	I	892	Improve riparian and meadow habitat. Provide livestock forage on a sustained yield basis for 892 AUMs of active preference.	0	0	0	N/A	0	N/A	1. Ecological site condition and trend 2. Actual use 3. Climate 4. Range utilization 5. Project maintenance	4/	4/	4/	4/	4/	Decision to monitor. Decision to implement adjustments, if necessary.
AMP	Quinn River/ Mrs. Jeanne Nouque	I	447	Improve riparian and meadow habitat. Manage livestock forage on a sustain yield basis to provide for 447 AUMs of active preference.	24	24	0	Manage forage conditions to accommodate reasonable numbers of: Deer 40 AUMs	0	N/A	1. Ecological site condition and trend 2. Actual use 3. Climate 4. Range utilization 5. Project maintenance	4/	4/	4/	4/	4/	Decision to monitor. Decision to implement adjustments, if necessary.
AMP	Zimmerman/ Evan A. Zimmerman	M	2,093	Improve riparian habitat. Provide for 2,093 AUMs of active preference on a sustain yield basis. Manage livestock grazing to improve ecological condition from poor to fair on 12,428 acres.	69	24	0	Manage forage conditions to accommodate reasonable numbers of: Deer 150 AUMs Antelope 24 AUMs	0	N/A	1. Ecological site condition and trend 2. Actual use 3. Climate 4. Range utilization 5. Project maintenance 6. Riparian habitat	4/	4/	4/	4/	4/	Decision to monitor. Decision to implement adjustments, if necessary.
AMP	Sand Hills-Holloway Mountain/ Wynn Hendricks	M	1,035	Improve riparian and meadow habitat. Provide forage to sustain an active preference of 1,035 AUMs. Improve livestock distribution.	0	7	0	Manage forage conditions to attain the level needed to accommodate for reasonable numbers of: Deer 0 AUMs Antelope 6 AUMs Assure available, quality water for wildlife. Improve and maintain habitat condition of meadows and riparian areas for pronghorn antelope and mule deer.	0	N/A	1. Ecological site condition and trend 2. Actual use 3. Climate 4. Range utilization 5. Project maintenance	4/	4/	4/	4/	4/	Decision to monitor. Decision to implement adjustments, if necessary.

Table II
Progress of Program Implementation Paradise-Denio Resource Area

Kind of Plan	Allotment/Operator	Selective Management Category	LIVESTOCK		WILDLIFE				WILD HORSES AND BURROS		Identified Monitoring Plan Components 2/	Completed Monitoring Actions	RANGE IMPROVEMENT PROJECTS				Program Implementation Method
			Initial Stocking Level 1/ (AUMs)	Management Objectives 1/	Existing Use (AUMs)			Management Objectives 1/	Existing Use (AUMs)	Management Objectives 1/			PLANNED 3/		COMPLETED		
					Deer	Antelope	Bighorn Sheep						Units	Type	Units	Type	
AMP	South Fork-Grassy Basin/ Marvin Casey	M	686	Provide forage to sustain an active preference of 686 AUMs. Improve riparian and meadow habitat. Review and, if necessary, revise AMP.	0	0	0	Manage forage conditions to maintain the level needed to accommodate for reasonable numbers of: Deer 27 AUMs Antelope 6 AUMs Repair deteriorating meadow and riparian sites for the benefit of wildlife and overall watershed integrity.	0	N/A	1. Ecological site condition and trend 2. Actual use 3. Climate 4. Range utilization 5. Project maintenance	4/	4/	4/	4/	4/	Decision to monitor. Decision to implement adjustments, if necessary.
General Land Use Plan	White House/ Ellison Ranching Co.	C	156	Provide forage on a sustained yield basis for 156 AUMs.	0	0	0	5/	0	N/A	1. Ecological site condition and trend 2. Actual use 3. Climate 4. Range utilization 5. Project maintenance	5/	5/	5/	5/	5/	Decision to monitor. Decision to implement adjustments, if necessary.
General Land Use Plan	Tall Corral/ Hammond Ranches, Inc.	C	623	Provide forage to sustain an active preference of 623 AUMs.	48	0	0	Manage forage conditions to attain the level needed to accommodate for reasonable numbers of: Deer 90 AUMs Assure available water for wildlife.	0	N/A	1. Ecological site condition and trend 2. Actual use 3. Climate 4. Range utilization 5. Project maintenance	5/	5/	5/	5/	5/	Decision to monitor. Decision to implement adjustments, if necessary.
General Land Use Plan	Eleven Mile Flat/ Ellison Ranching Co.	C	1,542	Provide forage to sustain an active preference of 1,542 AUMs.	0	0	0	5/	0	N/A	1. Ecological site condition and trend 2. Actual use 3. Climate 4. Range utilization 5. Project maintenance	5/	5/	5/	5/	5/	Decision to monitor. Decision to implement adjustments, if necessary.
General Land Use Plan	Twenty-five/ Twenty-five Corporation	C	1,054	Develop additional water. Provide forage to sustain an active preference of 1,054 AUMs.	0	0	0	5/	0	N/A	1. Ecological site condition and trend 2. Actual use 3. Climate 4. Range utilization 5. Project maintenance	5/	5/	5/	5/	5/	Decision to monitor. Decision to implement adjustments, if necessary.
General Land Use Plan	Jakes Creek/ Hammond Ranches, Inc., Ellison Ranching Co., Kenneth R. Buckingham	C	1,610 413 987 210	Provide forage to sustain an active preference of 1,610 AUMs.	24	0	0	Manage forage conditions to accommodate reasonable numbers of: Deer 75 AUMs	0	N/A	1. Ecological site condition and trend 2. Actual use 3. Climate 4. Range utilization 5. Project maintenance	5/	5/	5/	5/	5/	Decision to monitor. Decision to implement adjustments, if necessary.
AMP	McDermitt Creek/ Gary and Mary Minor	I	188	Provide forage to sustain an active preference of 188 AUMs. Improve riparian habitat.	0	12	0	Manage forage conditions to attain the level needed to accommodate: Deer 20 AUMs Antelope 14 AUMs Assure available, quality water for wildlife. Improve and maintain the aquatic habitat having the potential sport fishery on McDermitt Creek.	0	N/A	1. Ecological site condition and trend 2. Actual use 3. Climate 4. Range utilization 5. Project maintenance 6. Riparian habitat	5/	5/	5/	5/	5/	Decision to monitor. Decision to implement adjustments, if necessary.

1/ The initial stocking levels for livestock and the management objectives for livestock, wildlife, wild horses and burros are those identified through the land use planning effort (MFP) unless a specific management plan (CRMP, AMP, etc.) has been completed. On those allotments that do not have a specific plan developed, the base herbivore grazing levels are still negotiable through the consultation and coordination process (either formal or informal), prior to initiation of monitoring.

2/ The monitoring plan components were identified through the land use planning effort. These components will be considered in development of monitoring plans, however, in the "M" and "C" category allotments the monitoring scheme developed will be less intensive than those monitoring plans developed for "I" category allotments. This is in accordance with the Final Grazing Management Policy.

3/ The planned range improvements are those that were identified through the land use plan (MFP) except for those identified through a specific management plan. The development of these range improvements will depend on an identified need when a specific plan is actually developed. In addition, the development of those planned range improvements for "M" and "C" category allotments will be less intensive and will depend largely on private contributions for implementation.

4/ Will be developed and agreed upon as outlined in the Interdistrict Agreement signed on October 19, 1979, with the Burns and Vale Districts.

5/ Will be developed and agreed upon as outlined in the Interdistrict Agreement signed on October 19, 1979, with the Elko District.

ISSUANCE OF GRAZING DECISIONS

Grazing decisions will start to be issued 30 days after release of this document to make grazing use adjustments and/or to gather additional monitoring data. These decisions will implement land use planning decisions (Management Framework Plan Step III) associated with livestock grazing use. These decisions will document stocking levels, season-of-use, period-of-use, adjustments from active preference, nonuse, management issues/objectives, and criteria and procedures for determining future use adjustments through monitoring.

RESOURCE MONITORING AND EVALUATION

The objective of the monitoring program is to gather data that can be used in the planning process, in the development of CRMP and resource management plans, and in evaluating the effectiveness and impacts of land management decisions. The monitoring program will include wildlife, watershed, range, riparian, and wild horse and burro studies, and the data collected will include actual use, utilization, climatic, condition and trend studies. Condition and trend data will be collected under range studies, wildlife studies~~,~~ and riparian and stream studies.

The interpretation of the monitoring results will provide a basis for decisions modifying grazing use, using range improvements, seasons-of-use, period-of-use, animal numbers, kind/class of grazing animals, etc., as management tools.

The Nevada Range Studies Task Group (1981) monitoring procedures outline the minimum basic methods that will be used in monitoring. Draft BLM Manual 4430 and 6630 presents additional monitoring methods which may be deemed appropriate.

A detailed monitoring plan was developed for the resource area in Fiscal Year (FY) 82. In FY 83 a Winnemucca District Wildlife Habitat Monitoring Plan was developed and is an addendum to the resource area's monitoring plan. These monitoring plans provide the guidance and technical direction for initiating individual allotment monitoring plans. These Resource Area plans are available for review at the Winnemucca District Office, and will be updated yearly to reflect priority changes in allotment monitoring.

Individual Allotment Monitoring Plans will be developed through the consultation and coordination process, will address the allotment-specific monitoring issues outlined in the MFP III, and must meet the minimum procedures and standards outlined by the Nevada Range Studies Task Group (1981). These individual allotment monitoring plans will address all the necessary studies (range, WH&B, wildlife, watershed, riparian and aquatic) to effectively monitor management actions. These plans will also address the evaluation process and those management actions that may be necessary, based upon monitoring results/evaluations.

The following are the major rangeland elements to be monitored.

a. Plants

Condition - Ecological range condition will be determined for each key management area to establish a baseline for condition classification. Condition transects will be re-evaluated upon measurement of a statistically significant change in trend data to determine progress towards accomplishment of management objectives.

Trend - Studies will be conducted periodically on selected upland and significant riparian areas to determine changes in plant species composition to determine progress in meeting vegetation objectives.

Utilization - Forage and browse utilization studies will be conducted to determine the pattern of grazing use and amount of vegetation removed by grazing animals.

b. Animals

Livestock - Actual use data will be obtained from the permittee annually. These records will reflect the number and class of animals grazing each pasture and the dates livestock graze there. Additional livestock counts will be made periodically on an as-needed basis.

Wildlife - Use data will continue to be periodically updated from Nevada Department of Wildlife reports on animal populations and seasonal use patterns, in cooperation with the Winnemucca District Office.

Wild Horses and Burros - Wild horses and burros will be inventoried periodically until management numbers are reached. At that time, additional monitoring will be initiated to collect actual use (inventory), areas of use, seasonal movement patterns, sex ratios, and other facets of population dynamics, so that it can be determined if management objectives are being met.

c. Water

Water quality monitoring will be continued in accordance with BLM policies and Sections 208 and 313 of the Federal Clean Water Act.

d. Weather

Weather data will be analyzed annually to estimate the effects of crop-year precipitation on herbage yields and for correlation with forage utilization studies.

PROTEST AND APPEAL PROCEDURES

Individuals or groups who feel that their interest might be adversely affected by the proposed decisions and have so indicated in writing, may request copies of the proposed decision in person or by writing to the District Manager, Bureau of Land Management, 705 East Fourth Street, Winnemucca, Nevada 89445.

RANGELAND PROGRAM SUMMARY UPDATES

Rangeland Program Summary updates will be issued at each decision step as the range managment program is implemented.

The rangeland program summary update will:

a. update the resource conditions and management actions that have been taken,

b. summarize the agreements negotiated to date,

c. summarize the decisions remaining to be issued,

d. explain other progress made to date,

- CRMP status
- range improvements
- grazing systems implemented
- monitoring

e. discuss significant changes from the grazing program described in this RPS and give the reasons for those changes, and

f. discuss the range program outlook.

APPROPRIATIONS

The development of the grazing management program for the Paradise-Denio Resource Area will depend on adequate appropriations and manpower for implementation.

For additional information about the Paradise-Denio Rangeland Management Program, please contact David B. Griggs, Paradise-Denio Resource Area Manager, Winnemucca District Office, Bureau of Land Management, 705 East 4th Street, Winnemucca, Nevada 89445, or by calling (702) 623-3676.